

Activity 1

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astor@REAPER: ~/Documents/EEE/CoE 1975/ME8_Containerization_and_Docker/1-running_containers
astor@REAPER:~/Documents/EEE/CoE 1975/ME8_Containerization_and_Docker/1-running_containers$ sudo docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
hello-world   latest    d1165f221234   3 months ago   13.3kB
astor@REAPER:~/Documents/EEE/CoE 1975/ME8_Containerization_and_Docker/1-running_containers$ sudo docker search ubuntu
NAME                DESCRIPTION                                     STARS     OFFICIAL   AUTOMATED
ubuntu              Ubuntu is a Debian-based Linux operating sys.. 12379     [OK]
dorowu/ubuntu-desktop-lxde-vnc Docker image to provide HTML5 VNC interface .. 540      [OK]
websphere-liberty   WebSphere Liberty multi-architecture images .. 273      [OK]
rastasheep/ubuntu-sshd Dockerized SSH service, built on top of offi.. 253      [OK]
consol/ubuntu-xfce-vnc Ubuntu container with "headless" VNC session.. 241      [OK]
ubuntu-upstart      Upstart is an event-based replacement for th.. 110      [OK]
landlinternet/ubuntu-16-nginx-php-phpmysql-mysql-5 ubuntu-16-nginx-php-phpmysql-mysql-5         50      [OK]
open-liberty        Open Liberty multi-architecture images based.. 46      [OK]
ubuntu-debootstrap  debootstrap --variant=minbase --components=m.. 44      [OK]
i386/ubuntu         Ubuntu is a Debian-based Linux operating sys.. 25
nuagebec/ubuntu     Simple always updated Ubuntu docker images w.. 24
landlinternet/ubuntu-16-apache-php-5.6 ubuntu-16-apache-php-5.6                     14      [OK]
landlinternet/ubuntu-16-apache-php-7.0 ubuntu-16-apache-php-7.0                     13      [OK]
landlinternet/ubuntu-16-nginx-php-phpmysql-mariadb-10 ubuntu-16-nginx-php-phpmysql-mariadb-10       11      [OK]
landlinternet/ubuntu-16-nginx-php-5.6-wordpress-4 ubuntu-16-nginx-php-5.6-wordpress-4           9       [OK]
pivotaldata/ubuntu A quick freshening-up of the base Ubuntu doc.. 4
landlinternet/ubuntu-16-nginx-php-7.0 ubuntu-16-nginx-php-7.0                       4       [OK]
landlinternet/ubuntu-16-nginx-php-7.1-wordpress-4 ubuntu-16-nginx-php-7.1-wordpress-4           3       [OK]
owncloud/ubuntu     ownCloud Ubuntu base image                   3
pivotaldata/ubuntu16.04-build Ubuntu 16.04 image for GPDB compilation        2
smarterentry/ubuntu ubuntu with smarterentry                       1       [OK]
landlinternet/ubuntu-16-sshd ubuntu-16-sshd                                1       [OK]
pivotaldata/ubuntu-gpdb-dev Ubuntu images for GPDB development            1
landlinternet/ubuntu-16-php-7.1 ubuntu-16-php-7.1                             1       [OK]
astor@REAPER:~/Documents/EEE/CoE 1975/ME8_Containerization_and_Docker/1-running_containers$ sudo docker pull ubuntu:16.04
16.04: Pulling from library/ubuntu
80bce60046fa: Pull complete
55a738a15540: Pull complete
e19cf0706c62: Pull complete
de4cdd6c27d1: Pull complete
Digest: sha256:9775877f420d453ef790e6832d77630a49b32a92b7bedf330adf4d8669f6600e
Status: Downloaded newer image for ubuntu:16.04
docker.io/library/ubuntu:16.04
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smarterentry/ubuntu      ubuntu with smarterentry      1       [OK]
landlinternet/ubuntu-16-sshd ubuntu-16-sshd                1       [OK]
pivotaldata/ubuntu-gpdb-dev Ubuntu images for GPDB development 1
landlinternet/ubuntu-16-php-7.1 ubuntu-16-php-7.1             1       [OK]
astor@REAPER:~/Documents/EEE/CoE 1975/ME8_Containerization_and_Docker/1-running_containers$ sudo docker pull ubuntu:16.04
16.04: Pulling from library/ubuntu
80bce60046fa: Pull complete
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de4cdd6c27d1: Pull complete
Digest: sha256:9775877f420d453ef790e6832d77630a49b32a92b7bedf330adf4d8669f6600e
Status: Downloaded newer image for ubuntu:16.04
docker.io/library/ubuntu:16.04
astor@REAPER:~/Documents/EEE/CoE 1975/ME8_Containerization_and_Docker/1-running_containers$ sudo docker pull ubuntu:16.10
16.10: Pulling from library/ubuntu
dca7be20e546: Pull complete
40bca54f5968: Pull complete
61464f23390e: Pull complete
d99f0bcd5dc8: Pull complete
120db6f90955: Pull complete
Digest: sha256:8dc9652808dc091400d7d5983949043a9f9c7132b15c14814275d25f94bca18a
Status: Downloaded newer image for ubuntu:16.10
docker.io/library/ubuntu:16.10
astor@REAPER:~/Documents/EEE/CoE 1975/ME8_Containerization_and_Docker/1-running_containers$ sudo docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
ubuntu        16.04     9ff95a467e45   3 weeks ago    135MB
hello-world   latest    d1165f221234   3 months ago   13.3kB
ubuntu        16.10     7d3f705d307c   3 years ago    107MB
astor@REAPER:~/Documents/EEE/CoE 1975/ME8_Containerization_and_Docker/1-running_containers$ sudo docker rmi 7d3f705d307c
Untagged: ubuntu:16.10
Untagged: ubuntu@sha256:8dc9652808dc091400d7d5983949043a9f9c7132b15c14814275d25f94bca18a
Deleted: sha256:7d3f705d307c7c225398e04d4c4f8512f64eb8a65959a1fb4514dfde18a047e7
Deleted: sha256:d9db289b9342d9617596cd6ee3bba988629e24d9afa5db4e4b0e4e491c65007d
Deleted: sha256:a87725e8597b97f2399bc3aa50b0e2eeca903b8ce19055668d3befb012918205c
Deleted: sha256:38cf10a2801529348366953e9b933d3524360dedc91d3e4d5d7f941da0c973c9
Deleted: sha256:61172966249d43026dbd017eeca9575e37bddf8a269a9f09ecb559d7bfe7fef
Deleted: sha256:57145c01eb80040fdd0a24cde20af4788605b49593188d4f7efab099af89a08e
astor@REAPER:~/Documents/EEE/CoE 1975/ME8_Containerization_and_Docker/1-running_containers$ sudo docker images
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astor@REAPER: ~/Documents/EEE/CoE 197S/ME8_Containerization_and_Docker/1-running_containers
astor@REAPER:~/Documents/EEE/CoE 197S/ME8_Containerization_and_Docker/1-running_containers$ sudo docker run ubuntu:16.04 /bin/echo 'Hello world!'
Hello world!
astor@REAPER:~/Documents/EEE/CoE 197S/ME8_Containerization_and_Docker/1-running_containers$ sudo docker ps
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
astor@REAPER:~/Documents/EEE/CoE 197S/ME8_Containerization_and_Docker/1-running_containers$ sudo docker ps -a
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
df9871725aaa  ubuntu:16.04   "/bin/echo 'Hello wo..." 27 seconds ago    Exited (0) 25 seconds ago    exciting_kirch
felli97b21cee  hello-world   "/hello"          25 minutes ago    Exited (0) 25 minutes ago    eager_galileo
astor@REAPER:~/Documents/EEE/CoE 197S/ME8_Containerization_and_Docker/1-running_containers$ sudo docker run ubuntu:16.04 /bin/bash
astor@REAPER:~/Documents/EEE/CoE 197S/ME8_Containerization_and_Docker/1-running_containers$ sudo docker ps -a
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
e2a431dd2d3b  ubuntu:16.04   "/bin/bash"       21 seconds ago    Exited (0) 19 seconds ago    focused_napier
df9871725aaa  ubuntu:16.04   "/bin/echo 'Hello wo..." 11 minutes ago    Exited (0) 11 minutes ago    exciting_kirch
felli97b21cee  hello-world   "/hello"          36 minutes ago    Exited (0) 36 minutes ago    eager_galileo
astor@REAPER:~/Documents/EEE/CoE 197S/ME8_Containerization_and_Docker/1-running_containers$ sudo docker run -it ubuntu:16.04 /bin/bash
root@f78aaa5b93e2:/# pwd
/
root@f78aaa5b93e2:/# ls
bin boot dev etc home lib lib64 media mnt opt proc root run sbin srv sys tmp usr var
root@f78aaa5b93e2:/# exit
exit
astor@REAPER:~/Documents/EEE/CoE 197S/ME8_Containerization_and_Docker/1-running_containers$ sudo docker run -d ubuntu:16.04 /bin/sleep 3600
ce67caba8dd7e4e06052f77829588cda8097814aa6f2bf2ce83cd4f2516a9c80
astor@REAPER:~/Documents/EEE/CoE 197S/ME8_Containerization_and_Docker/1-running_containers$ sudo docker ps -a
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
ce67caba8dd7  ubuntu:16.04   "/bin/sleep 3600"  11 seconds ago    Up 9 seconds                suspicious_buck
f78aaa5b93e2  ubuntu:16.04   "/bin/bash"       2 minutes ago     Exited (0) 2 minutes ago    vigilant_allen
e2a431dd2d3b  ubuntu:16.04   "/bin/bash"       4 minutes ago     Exited (0) 4 minutes ago    focused_napier
df9871725aaa  ubuntu:16.04   "/bin/echo 'Hello wo..." 14 minutes ago    Exited (0) 14 minutes ago    exciting_kirch
felli97b21cee  hello-world   "/hello"          40 minutes ago    Exited (0) 40 minutes ago    eager_galileo
astor@REAPER:~/Documents/EEE/CoE 197S/ME8_Containerization_and_Docker/1-running_containers$ sudo docker exec -it ce6 /bin/bash
root@ce67caba8dd7:/# ps aux
USER          PID %CPU %MEM    VSZ   RSS TTY      STAT START   TIME COMMAND
root           1  0.0  0.0   4372   672 ?        Ss   16:03   0:00 /bin/sleep 3600
root           7  0.0  0.0  18232  3316 pts/0    Ss   16:05   0:00 /bin/bash
root          17  0.0  0.0   34420  2916 pts/0    R+   16:05   0:00 ps aux
root@ce67caba8dd7:/# exit
exit
astor@REAPER:~/Documents/EEE/CoE 197S/ME8_Containerization_and_Docker/1-running_containers$ sudo docker ps
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
ce67caba8dd7  ubuntu:16.04   "/bin/sleep 3600"  3 minutes ago    Up 3 minutes                suspicious_buck
astor@REAPER:~/Documents/EEE/CoE 197S/ME8_Containerization_and_Docker/1-running_containers$

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astor@REAPER: ~/Documents/EEE/CoE 197S/ME8_Containerization_and_Docker/1-running_containers
USER          PID %CPU %MEM    VSZ   RSS TTY      STAT START   TIME COMMAND
root           1  0.0  0.0   4372   672 ?        Ss   16:03   0:00 /bin/sleep 3600
root           7  0.0  0.0  18232  3316 pts/0    Ss   16:05   0:00 /bin/bash
root          17  0.0  0.0   34420  2916 pts/0    R+   16:05   0:00 ps aux
root@ce67caba8dd7:/# exit
exit
astor@REAPER:~/Documents/EEE/CoE 197S/ME8_Containerization_and_Docker/1-running_containers$ sudo docker ps
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
ce67caba8dd7  ubuntu:16.04   "/bin/sleep 3600"  3 minutes ago    Up 3 minutes                suspicious_buck
astor@REAPER:~/Documents/EEE/CoE 197S/ME8_Containerization_and_Docker/1-running_containers$ sudo docker stop ce6
ce6
astor@REAPER:~/Documents/EEE/CoE 197S/ME8_Containerization_and_Docker/1-running_containers$ sudo docker ps -a
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
ce67caba8dd7  ubuntu:16.04   "/bin/sleep 3600"  7 minutes ago    Exited (137) 37 seconds ago    suspicious_buck
f78aaa5b93e2  ubuntu:16.04   "/bin/bash"       10 minutes ago    Exited (0) 9 minutes ago    vigilant_allen
e2a431dd2d3b  ubuntu:16.04   "/bin/bash"       11 minutes ago    Exited (0) 11 minutes ago    focused_napier
df9871725aaa  ubuntu:16.04   "/bin/echo 'Hello wo..." 22 minutes ago    Exited (0) 22 minutes ago    exciting_kirch
felli97b21cee  hello-world   "/hello"          47 minutes ago    Exited (0) 47 minutes ago    eager_galileo
astor@REAPER:~/Documents/EEE/CoE 197S/ME8_Containerization_and_Docker/1-running_containers$ sudo docker rm ce6
ce6
astor@REAPER:~/Documents/EEE/CoE 197S/ME8_Containerization_and_Docker/1-running_containers$ sudo docker rm $(docker ps -a -q)
Got permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Get http://%2Fvar%2Frun%2Fdocker.sock/v1.24/containers/json?all=1: dial unix /var/run/docker.sock: connect: permission denied
"docker rm" requires at least 1 argument.
See 'docker rm --help'.

Usage: docker rm [OPTIONS] CONTAINER [CONTAINER...]

Remove one or more containers
astor@REAPER:~/Documents/EEE/CoE 197S/ME8_Containerization_and_Docker/1-running_containers$ sudo docker rm $(sudo docker ps -a -q)
f78aaa5b93e2
e2a431dd2d3b
df9871725aaa
felli97b21cee
astor@REAPER:~/Documents/EEE/CoE 197S/ME8_Containerization_and_Docker/1-running_containers$ docker ps -a
Got permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Get http://%2Fvar%2Frun%2Fdocker.sock/v1.24/containers/json?all=1: dial unix /var/run/docker.sock: connect: permission denied
astor@REAPER:~/Documents/EEE/CoE 197S/ME8_Containerization_and_Docker/1-running_containers$ sudo docker run --rm ubuntu:16.04 /bin/echo 'Hello and goodbye!'
Hello and goodbye!
astor@REAPER:~/Documents/EEE/CoE 197S/ME8_Containerization_and_Docker/1-running_containers$ sudo docker ps -a
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
astor@REAPER:~/Documents/EEE/CoE 197S/ME8_Containerization_and_Docker/1-running_containers$

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